

PLUS Search Request Form

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Date 2 / 4 / 2003

1:40 pm

Serial Number of Application 09/977,775

Name L. CIRIC

Art Unit 3743

Phone 308-3925

Building (circle one) CP2 CPK1

Floor 8 Room # 1354

Number of Results returned (Minimum 50/ Maximum 300) 75

Keywords to emphasize

**Titles of Most Frequently Occurring Classifications of Patents Returned
From A Search of 09977775 on February 04, 2003**

- 8 62/467 (2 OR, 6 XR)
Class 062 : REFRIGERATION
62/467 REFRIGERATION PRODUCER
- 8 62/476 (3 OR, 5 XR)
Class 062 : REFRIGERATION
62/467 REFRIGERATION PRODUCER
62/476 .Sorbent type
- 7 62/116 (6 OR, 1 XR)
Class 062 : REFRIGERATION
62/56 PROCESSES
62/115 .Compressing, condensing and evaporating
62/116 ..Utilizing motive energy of fluid to compress
- 7 62/497 (4 OR, 3 XR)
Class 062 : REFRIGERATION
62/467 REFRIGERATION PRODUCER
62/476 .Sorbent type
62/497 ..With means to enhance separations in
generator
- 5 62/238.3 (3 OR, 2 XR)
Class 062 : REFRIGERATION
62/238.1 DISPARATE APPARATUS UTILIZED AS HEAT SOURCE OR
ABSORBER
62/238.3 .With sorption
- 4 62/238.6 (1 OR, 3 XR)
Class 062 : REFRIGERATION
62/238.1 DISPARATE APPARATUS UTILIZED AS HEAT SOURCE OR
ABSORBER
62/238.6 .With vapor compression system
- 4 426/634 (3 OR, 1 XR)
Class 426 : FOOD OR EDIBLE MATERIAL: PROCESSES,
COMPOSITIONS, AND PRODUCTS
426/531 PRODUCTS PER SE, OR PROCESSES OF PREPARING OR
TREATING COMPOSITIONS INVOLVING CHEMICAL REACTION BY
ADDITION, COMBINING DIVERSE FOOD MATERIAL, OR

PERMANENT

ADDITIVE

- 426/615 .Plant material is basic ingredient other than
extract, starch or protein
- 426/629 ..Bean, seed or nut product
- 426/634 ...Legume

4 426/656 (1 OR, 3 XR)

Class 426 : FOOD OR EDIBLE MATERIAL: PROCESSES,
COMPOSITIONS, AND PRODUCTS

- 426/531 PRODUCTS PER SE, OR PROCESSES OF PREPARING OR
TREATING COMPOSITIONS INVOLVING CHEMICAL REACTION BY
ADDITION, COMBINING DIVERSE FOOD MATERIAL, OR

PERMANENT

ADDITIVE

- 426/656 .Protein, amino acid, or yeast containing

3 60/671 (1 OR, 2 XR)

Class 060 : POWER PLANTS

- 60/643 MOTIVE FLUID ENERGIZED BY EXTERNALLY APPLIED
HEAT

- 60/670 .Power system involving change of state
- 60/671 ..Motive fluid comprises a material other than
steam or water

3 62/225 (0 OR, 3 XR)

Class 062 : REFRIGERATION

- 62/132 AUTOMATIC CONTROL
- 62/190 .Refrigeration producer
- 62/216 ..Of or by evaporation zone
- 62/222 ...Of expansion valve or variable restrictor
- 62/224By condition at low side
- 62/225At or beyond evaporator outlet, i.e.,
superheat

3 62/331 (3 OR, 0 XR)

Class 062 : REFRIGERATION

- 62/331 COMBINED

3 62/335 (0 OR, 3 XR)

Class 062 : REFRIGERATION

- 62/335 PLURAL PAIRED DIFFERENT FUNCTION REFRIGERATION
PRODUCING ELEMENTS, E.G., CASCADE

3 62/505 (1 OR, 2 XR)

Class 062 : REFRIGERATION

62/467 REFRIGERATION PRODUCER

62/498 .Compressor-condenser-evaporator circuit

62/505 ..Cooling motor and/or compressor by
refrigerant

3 62/513 (2 OR, 1 XR)

Class 062 : REFRIGERATION

62/467 REFRIGERATION PRODUCER

62/513 .Heat exchange between diverse function
elements

3 221/150A (0 OR, 3 XR)

Class 221 : ARTICLE DISPENSING

221/135 WITH ARTICLE TREATMENT

221/150R .With cooling or heating

221/150A ..Heating

3 236/92B (3 OR, 0 XR)

Class 236 : AUTOMATIC TEMPERATURE AND HUMIDITY REGULATION

236/67 MOTORS

236/92R .With pressure control

236/92B ..Refrigeration expansion valves

2 34/77 (0 OR, 2 XR)

Class 034 : DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS

34/523 APPARATUS

34/72 .With means to treat gas or vapor

34/73 ..By vapor condensation

34/76 ...With forced circulation

34/77Recirculation of treating gas or vapor

2 50/593 (0 OR, 2 XR)

Class 060 : POWER PLANTS

60/325 PRESSURE FLUID SOURCE AND MOTOR

60/533 .Pulsator

60/593 ..Having fluid motor driving piston of master
unit

2 62/112 (1 OR, 1 XR)

Class 062 : REFRIGERATION

62/56 PROCESSES

62/101 .Evaporation induced by sorption

- 62/112 ..Utilizing particular refrigerant and/or
 sorbent materials
- 2 62/117 (0 OR, 2 XR)
 Class 062 : REFRIGERATION
 62/56 PROCESSES
 62/115 .Compressing, condensing and evaporating
 62/117 ..Dividing refrigerant flow, e.g., bypass
 parallel units
- 2 62/129 (1 OR, 1 XR)
 Class 062 : REFRIGERATION
 62/125 WITH INDICATOR OR TESTER
 62/129 .Condition sensing
- 2 62/157 (0 OR, 2 XR)
 Class 062 : REFRIGERATION
 62/132 AUTOMATIC CONTROL
 62/157 .Time or program actuator
- 2 62/231 (0 OR, 2 XR)
 Class 062 : REFRIGERATION
 62/231 TIME OR PROGRAM ACTUATOR
- 2 62/303 (2 OR, 0 XR)
 Class 062 : REFRIGERATION
 62/303 WITH CLEANING MEANS FOR APPARATUS
- 2 62/324.2 (0 OR, 2 XR)
 Class 062 : REFRIGERATION
 62/324.1 REVERSIBLE, I.E., HEAT PUMP
 62/324.2 .With cooling apparatus other than gas
 compressor
- 2 62/325 (0 OR, 2 XR)
 Class 062 : REFRIGERATION
 62/324.1 REVERSIBLE, I.E., HEAT PUMP
 62/325 .External fluid flow reversed
- 2 62/332 (0 OR, 2 XR)
 Class 062 : REFRIGERATION
 62/332 DIVERSE SYSTEMS, E.G., ICE AND MECHANICAL
- 2 62/333 (0 OR, 2 XR)
 Class 062 : REFRIGERATION

- 62/332 DIVERSE SYSTEMS, E.G., ICE AND MECHANICAL
- 62/333 .Primary and secondary dependent circuits
- 2 62/352 (0 OR, 2 XR)
 - Class 062 : REFRIGERATION
 - 62/340 MEANS PRODUCING SHAPED OR MODIFIED CONGEALED PRODUCT
 - 62/349 .Thawing means
 - 62/352 ..Means using refrigerant or coolant as heating fluid
- 2 62/356 (0 OR, 2 XR)
 - Class 062 : REFRIGERATION
 - 62/340 MEANS PRODUCING SHAPED OR MODIFIED CONGEALED PRODUCT
 - 62/356 .Mold with means to absorb heat, e.g., brine tank
- 2 62/480 (1 OR, 1 XR)
 - Class 062 : REFRIGERATION
 - 62/467 REFRIGERATION PRODUCER
 - 62/476 .Sorbent type
 - 62/477 ..Absorber-still, e.g., intermittent
 - 62/480 ...With solid sorbent
- 2 73/295 (0 OR, 2 XR)
 - Class 073 : MEASURING AND TESTING
 - 73/290R LIQUID LEVEL OR DEPTH GAUGE
 - 73/295 .Thermal type
- 2 95/121 (0 OR, 2 XR)
 - Class 095 : GAS SEPARATION: PROCESSES
 - 95/90 SOLID SORPTION
 - 95/116 .Inorganic gas or liquid particle sorbed (e.g., vapor, mist, etc.)
 - 95/117 ..Water sorbed
 - 95/121 ...And regeneration of solid sorbent
- 2 126/362.1 (0 OR, 2 XR)
 - Class 126 : STOVES AND FURNACES
 - 126/383.1 ..Collecting, directing, or shielding feature for overflow or spatter of the liquid
 - 126/361.1 .Boiler receiving hot liquid or steam from stove or furnace (e.g., kitchen boiler, range boiler, etc.)

- 126/362.1 ..Having means to circulate the liquid
- 2 137/392 (0 OR, 2 XR)
Class 137 : FLUID HANDLING
137/386 LIQUID LEVEL RESPONSIVE OR MAINTAINING SYSTEMS
- 137/392 .Electrical characteristic sensing
- 2 165/104.21 (0 OR, 2 XR)
Class 165 : HEAT EXCHANGE
165/104.11 INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL
RECEIVING AND DISCHARGING HEAT
165/104.19 .Liquid fluent heat exchange material
165/104.21 ..Utilizing change of state
- 2 165/104.22 (0 OR, 2 XR)
Class 165 : HEAT EXCHANGE
165/104.11 INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL
RECEIVING AND DISCHARGING HEAT
165/104.19 .Liquid fluent heat exchange material
165/104.21 ..Utilizing change of state
165/104.22 ...Including means to move heat exchange
material in liquid state
- 2 165/163 (0 OR, 2 XR)
Class 165 : HEAT EXCHANGE
165/157 CASING OR TANK ENCLOSED CONDUIT ASSEMBLY
165/163 .Conduit coiled within casing
- 2 165/179 (0 OR, 2 XR)
Class 165 : HEAT EXCHANGE
165/177 TUBULAR STRUCTURE
165/179 .Projecting internal and external heat transfer
means
- 2 165/184 (0 OR, 2 XR)
Class 165 : HEAT EXCHANGE
165/177 TUBULAR STRUCTURE
165/181 .With discrete heat transfer means
165/183 ..Longitudinal extending
165/184 ...Helical
- 2 165/62 (0 OR, 2 XR)
Class 165 : HEAT EXCHANGE
165/58 HEATING AND COOLING

- 165/61 .Heating and cooling of the same material
- 165/62 ..Refrigerating system conversion

- 2 221/150HC (2 OR, 0 XR)
 - Class 221 : ARTICLE DISPENSING
 - 221/135 WITH ARTICLE TREATMENT
 - 221/150R .With cooling or heating
 - 221/150HC ..Heating and cooling combined

- 2 237/19 (1 OR, 1 XR)
 - Class 237 : HEATING SYSTEMS
 - 237/19 COMBINED WITH WATER HEATER

- 2 237/2B (0 OR, 2 XR)
 - Class 237 : HEATING SYSTEMS
 - 237/2R AUTOMATIC CONTROL
 - 237/2B .Heat source is a reverse cycle refrigerating
system or heat pump

- 2 312/236 (0 OR, 2 XR)
 - Class 312 : SUPPORTS: CABINET STRUCTURE
 - 312/236 WITH HEATING, COOLING OR HEAT EXCHANGE MEANS

- 2 417/310 (0 OR, 2 XR)
 - Class 417 : PUMPS
 - 417/279 WITH CONDITION RESPONSIVE PUMPED FLUID CONTROL

 - 417/307 .Pressure responsive relief or bypass valve
 - 417/310 ..Rotary expansible chamber pump

- 2 417/32 (2 OR, 0 XR)
 - Class 417 : PUMPS
 - 417/1 CONDITION RESPONSIVE CONTROL OF PUMP DRIVE
MOTOR
 - 417/32 .Responsive to pump or pump fluid temperature